

COMMODORE —8296—

BUSINESS SYSTEMS COMPUTER



BY APPOINTMENT TO HER MAJESTY THE QUEEN
MANUFACTURERS OF COMPUTER BUSINESS SYSTEMS
COMMODORE BUSINESS MACHINES UK LIMITED, SLOUGH

commodore
COMPUTER

THE COMMODORE 8296 BUSINESS COMPUTER PUTS POWER AT YOUR COMMAND

The Commodore 8296 is the latest addition to the 8000 series of microcomputers. Designed with the end user in mind the stylish lines of the computer incorporate an integral monitor, which can be tilted and swivelled for the optimum viewing angle.

The High Resolution graphics have been incorporated in the specification for exceptional detail and clarity.

The Commodore 8296 for your business

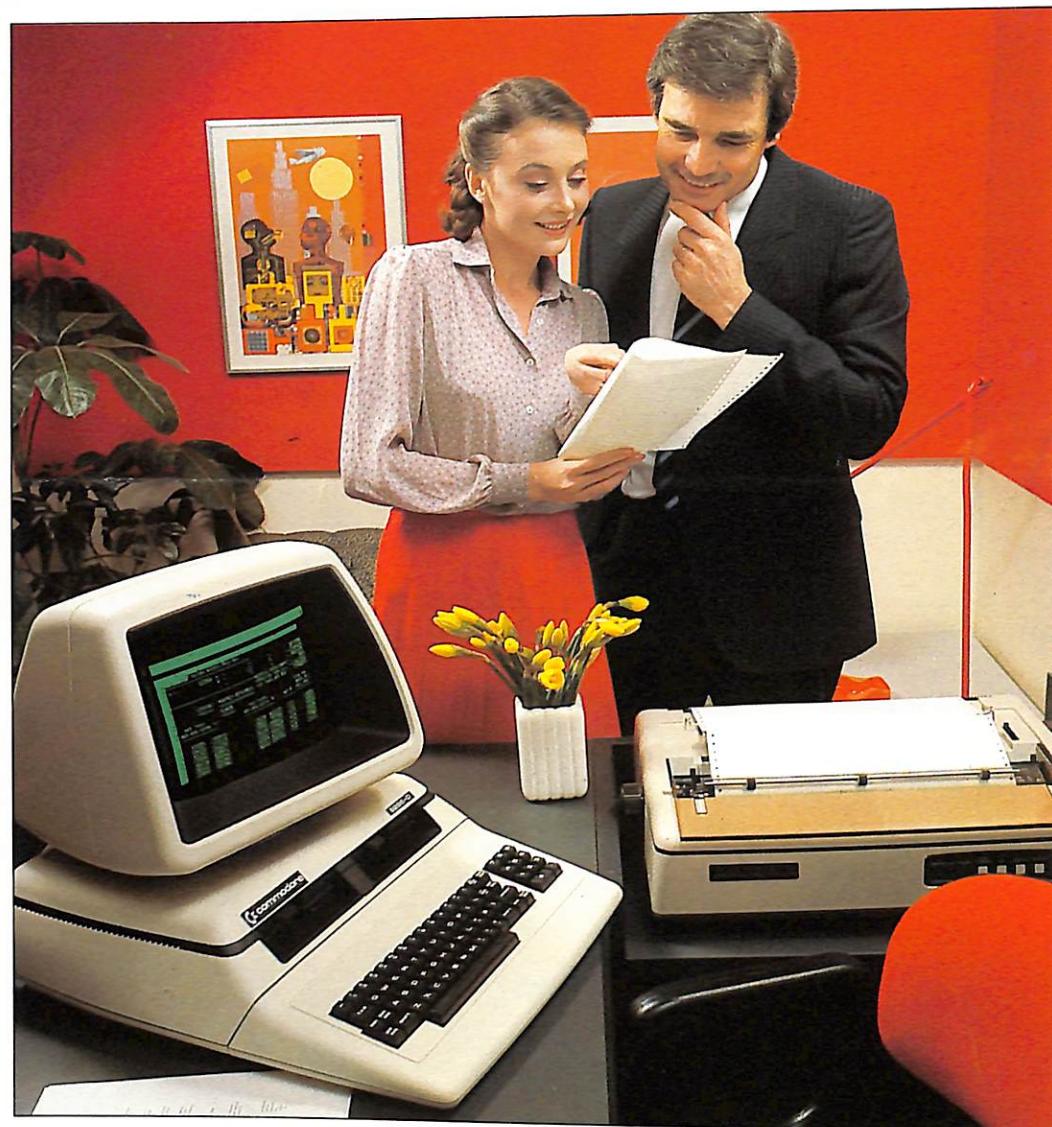
No business is too small for a computer, and with today's prices computing power is truly available to all businesses. Whether your job involves finance, correspondence, record keeping, word processing, costing, or planning, the Commodore 8296 is an invaluable aid: Indeed Commodore microcomputers enjoy the largest userbase in the United Kingdom. The range of applications for the Commodore 8000 series is extensive with many of the packages developed through practical experience gained with regular business use. They include software programs that are fundamental to the operation of every business, including word processing (for your correspondence), information management (for your filing), financial management (for your accounts) and management planning (for risk analysis).

For practical computing and excellent value for money the Commodore 8000 series of computers stand out from the crowd.

INFORMATION MANAGEMENT

Every organisation whether involved in business or social activities requires records to be kept and accessed. This could mean searching through mountains of paper for a single statistic. With the Commodore 8296, computerised record keeping is no longer costly. Records can be sorted into a specified order and groups of records meeting certain criteria can be rapidly found. Your filing system on disk simply and efficiently.

Revisions and updates are easily done hence aiding report generation: Information handling on the Commodore 8296 computer allows you to design the record formats that suit your requirements, link the database to a word processing package, and personalise standard letters. Any organisation can enjoy the benefits of controlled information with a Commodore 8296: Personnel managers keeping staff records, doctors and dentists with patient records, sales managers keeping customer histories, or estate agents with property details are just some of the examples of applications for information management on the Commodore 8296.



WORD PROCESSING

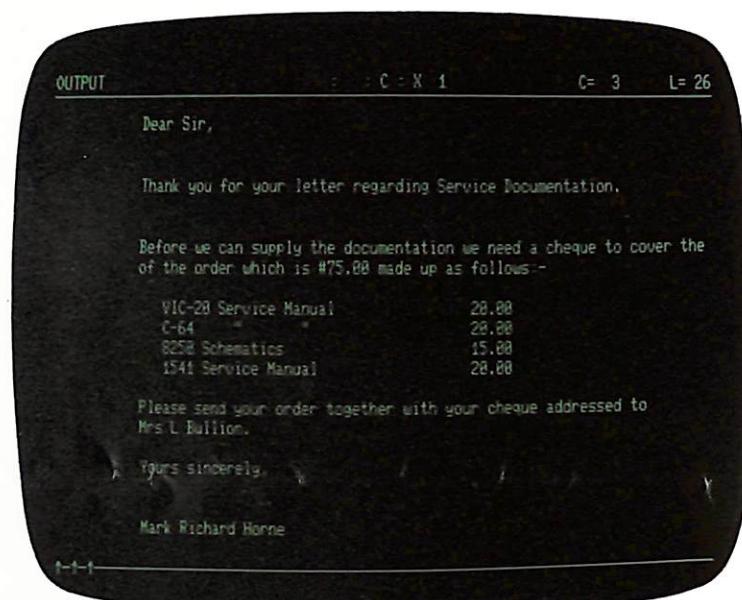
Written communication is essential to any organisation, sophisticated word processing packages are available for the Commodore 8000 series microcomputers. Time consuming re-typing is eliminated as words, phrases and paragraphs can be simply changed or inserted. There is no need to type identical letters over and over to send several clients personalised copies: Type the letter once, store it, then names and addresses can be inserted from another file automatically as the letters are printed. Better quality documentation can be produced in far less time than before.

Businesses benefit from better presented and more speedily produced letters and documents. In some occupations the very nature of the work is word intensive; Authors, reporters, solicitors and copy writers will find a Commodore word processing system a sound investment.

FINANCIAL MANAGEMENT

In any business, profit, cash flow and interest payments have to be managed efficiently and accurately to ensure the success of the business.

APPLICATIONS AND OPTIONS

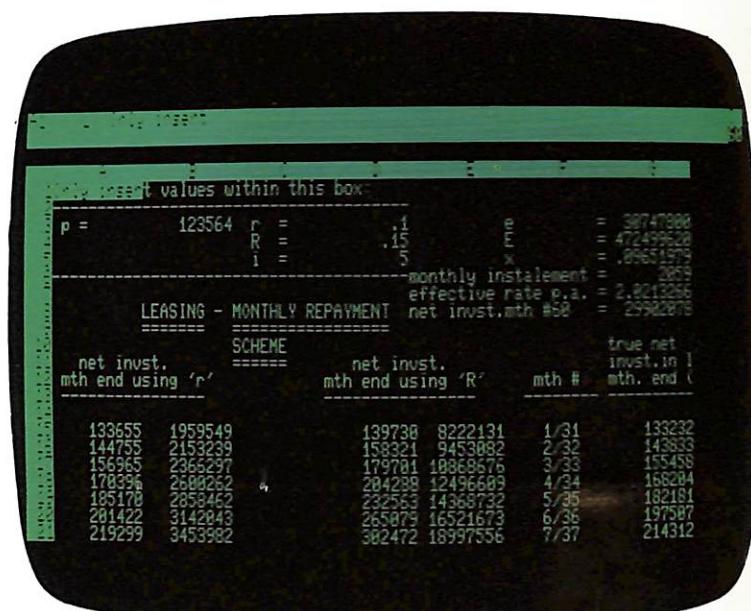


WORD PROCESSING

Commodore pursue a policy of actively supporting their own and third party applications. By encouraging third parties to develop applications that complement our own, we are able to offer a wide variety of uses for our computer systems. Prepared by specialists in the fields of the applications the software offers tried and approved answers to your business problems and computing needs.

Hardware Options

There are two versions of the Commodore 8296 available. The 8296-D with 2×1 megabyte dual disk drives, or the 8296 without the integral drives. Both options are designed with the same stylish lines and come with an



FINANCIAL PLANNING



DATABASE

integral monitor: The screen can be tilted or swivelled for ease of use. Commodore have a range of printers for the 8000 series computers to satisfy almost every need, ranging from dot matrix printers capable of 60 or 150 cps, to a 40 cps letter quality printer. For use with the Commodore 8296 there are

two high performance disk drives: The SFD 1001, a 1 megabyte single disk drive or the 8250LP a 2×1 megabyte dual disk drive.

Software Compatibility

The Commodore 8296 computers are fully compatible with the earlier models in the 8000 series range from Commodore. You will therefore immediately enjoy a vast library of software. Commodore publishes an applications catalogue of software they have tested and approved. More is being developed all the time. Your dealer can advise you on the best to meet your needs. There are literally hundreds to choose from, both general purpose and highly specialised.

THE COMMODORE 8296: EVERYTHING YOU NEED IN A BUSINESS SYSTEMS COMPUTER

- Software compatible with CBM 8032 and CBM 8096
- 128K RAM all accessible in machine code
- Basic 4.0
- Reduced chip count to take advantage of new technology
- Simplified electronic design for greater reliability

- Four screen page switching
- Modern efficient styling
- Optional dual one megabyte integral drives
- Optional high resolution graphics

THE COMMODORE 8296 KEYBOARD

The Commodore 8296 series has a professional QWERTY keyboard that has been designed for easy, comfortable and accurate use.

The action of the keys is positive and responsive.

A numeric pad provides a convenient means of entering numbers.

The keyboard is detachable for comfort and ease when typing.



This key sets or releases tabulation positions when used with the SHIFT key. Pressing this key alone will move the cursor to previously set tab positions.

The reverse key switches from standard display to "negative image," i.e. black characters on a green background.

Press this key and the cursor moves to the top left-hand corner of the screen (the "home" position). If the SHIFT is held down and this key is pressed, the cursor still moves to the home position, but the screen is cleared.

A decimal point key is included on the numeric pad for convenience.

The integral monitor has a green phosphor display on a black background. High resolution is also available. The screen can be swivelled from side to side and tilted up and down to allow greater comfort and flexibility for the operator.

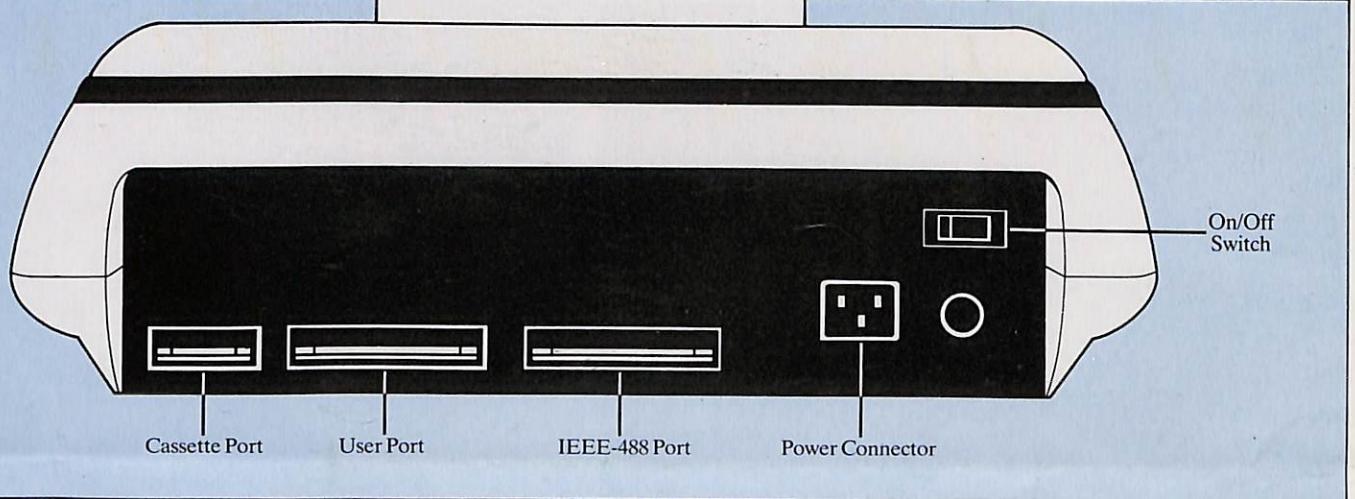
Integral dual disk drives are an option on some models, with a capacity of one megabyte each.

The cursor control keys allow you to easily move the cursor to any position on the screen.

The Run/Stop key has two functions. When unshifted it is used to stop a program that is executing. When the Run/Stop key is used at the same time as the SHIFT it will cause the computer to automatically load and run the first program from diskette.

The insert/delete key speeds up the editing of information entered from the keyboard. Pressing this key will remove mistyped characters, whilst holding down the SHIFT key and pressing INST/DEL will "open up" the display so that you have room to insert characters.

EXPANSION AND PERIPHERALS



Programming

Included with the 8296 are several versions of Commodore BASIC to ensure compatibility with as wide a range of application programs as possible. Provided are BASIC 2.0 and two versions of 4.0 (40 column and 80 column). DOS wedge is also included.

Several soft-loaded programming languages have been developed for the 8000 series including UCSD Pascal, Forth and LISP, these are available on the 8296 as well.

BASIC compilers such as Petspeed are also available.

Memory Organisation

All of the 128K RAM in the 8296 is available to machine language programmers. RAM is provided over the entire 64K address space. The remaining 64K is in four banks which can be switched in over the upper 32K.

Other Features

A facility is provided so that programs can be set up for screens or "pages" of information and then easily switched from page to page.

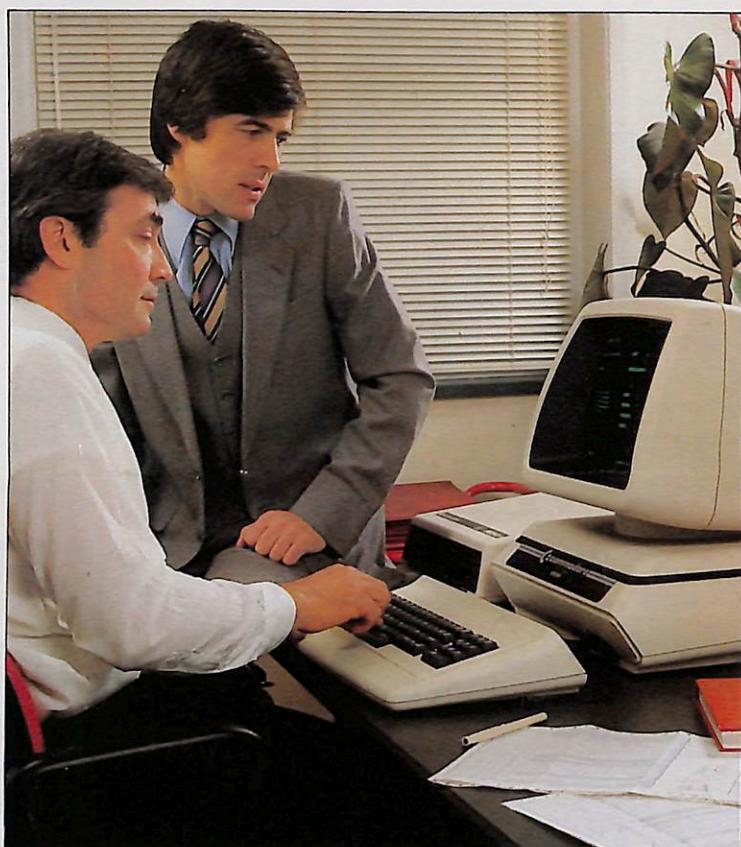
Programs can optionally display information and graphics in high resolution. The hi-res board provides 512 x 256 resolutions.



The large 128K of memory is available for programming, and the Commodore 8296 computers enjoy an extensive software library. Indeed it is this area that makes the Commodore 8296 stand out from the crowd with an enormous range of tried and trusted software for the businessman.

The Commodore 8296-D incorporates a 2×1 megabyte dual disk drive within its design giving a large inbuilt storage capacity for users: Couple these with the cost benefits a global vertical integrated company like Commodore can achieve and it's clear why the Commodore 8296 computers are exceptional value for money.

Your Commodore dealer who is a trained professional can advise you on how to change your business for the better.



The Commodore 8000 series computers have a range of software programs that combine thorough accounting procedure with accuracy and convenience. There are fully integrated accounting suites as well as simple single ledger systems. The operator can still make a mistake, but the computer can 'trace back' all of the steps so that the mistake can be found and rectified.

Stock control is also available on the Commodore 8296. The benefits of a stock control package are numerous. Minimum stock levels, re-order quantities and suppliers details can all be accessed with ease. The facility to calculate the value of goods in stock at any time is also a valuable asset.

The features of a payroll system on the 8296 include not only the printing of payslips, but extensive record and reporting facilities. Departmental analyses, period totals for tax and national insurance and automatic printing of year-end forms are among the many options available.

MANAGEMENT PLANNING

Planning is a key factor in business. In today's world, planning can be particularly complex with so many factors influencing the operation of a business. Many of these variables are outside the control of the business. There are programs on the Commodore 8296 which enable you to set up actual or theoretical situations, and then by changing the variables one by one, or several simultaneously, you can see the effects that these changes will have. With the 8296 alternative calculations can be explored in minutes rather than the days it could take using manual methods.

Another aspect of planning is scheduling all the activities that make up a particular project. Delays at certain stages, resulting in an overall delay in the project, can mean cost penalties or lost orders. The Commodore 8296 can highlight areas of risk so that you can constantly be aware of timing constraints and therefore help you to meet your targets.

AND MANY SPECIALIST AREAS

Application programs for the 8000 series computers are not limited to general purpose software. Many highly specialised packages are available as well. These include special application areas such as planned maintenance, job costing, production planning etc. Packages designed for use in special professions are also available. Included are estate agents, accountants, engineers, solicitors and contractors. Retailers, newsagents, hoteliers and farmers can all have specialist packages so that the Commodore 8296 can be used as a tool to help them operate more efficiently. In addition to office applications the 8296 has many uses in manufacturing, process control, and other technical environments. Ask your dealer for a copy of Commodore's Approved Products Catalogue which includes details of the many excellent software products and add-ons for this computer.

The Commodore 8296 is only one of a full range of microcomputers from Commodore. The Commodore 64 and the portable colour computer the SX-64 are two popular selling models.



COMMODORE SX64



COMMODORE 64

DATA

Microprocessor MOS 6502

Numeric Data Format
Integer -32768 to +32767

Floating Point Exponent -38 to +37
Mantissa up to 9 significant digits

System Memory ROM 24K RAM 128K

Keyboard
QWERTY Layout
Separate Numeric Pad
Giving a total of 73 keys

Display
Integral green phosphor screen displaying 80 columns by 25 lines. The screen supports the full Commodore alphanumeric and graphic character set.

Input/Output
IEEE-488 Cassette port
User port Memory and I/O expansion bus

Language Built in BASIC 4.0 Interpreter

Variables Real, Integer and String

Array Variables Real, Integer and String
Single and Multi Dimensional

BASIC Commands and Statements

APPEND, BACKUP, CLOSE, CLR, CMD, COLLECT, CONCAT, CONT, COPY, DATA, DCLOSE, DEF FN, DIM, DIRECTORY, DLOAD, DOPEN, DSAVE, END, FOR ... NEXT, GET, GOSUB ... RETURN, GOTO, HEADER, IF ... THEN, INPUT, INPUT #, LET, LIST, LOAD, NEW, ON ... GOSUB, OPEN, POKE, PRINT, READ, RECORD, REM, RENAME, RESTORE, RUN, SAVE, SCRATCH, STOP, SYS, VERIFY, WAIT.

BASIC Functions

ABS, ASC, ATN, CHR\$, COS, DS, DS\$, EXP, FRE, INT, LEFT\$, LEN, LOG, MID\$, PEEK, POS, RIGHT\$, RND, SGN, SIN, SPC, SQR, STATUS, STR\$, TAB, TAN, TIME, TIME\$, USR, VAL.

Algebraic Operators

+, -, *, /, =, ↑, <>, <, >, =<, =>.

Logical Operators

NOT, AND, OR

General Specification

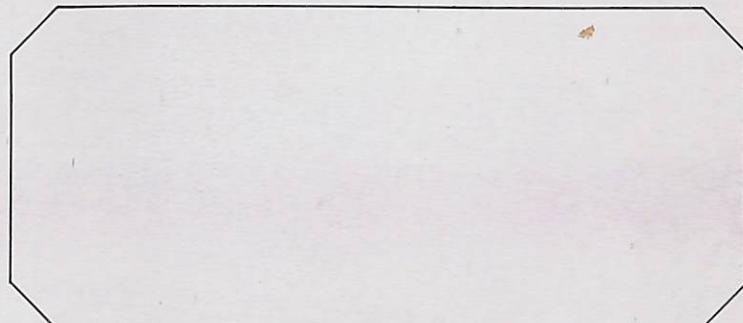
Power Source - 240 Volts 50HZ.

Physical Dimensions -

Monitor Unit: 460mm (W) × 380mm (D) × 450mm (H)

Keyboard Unit: 460mm (W) × 235mm (D) × 75mm (H)

Weight: 15.8 KG



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